

OPIE #4
8/14/2021

Serial Number: 09/788,269

ENTERED

Changed a file from non-ASCII to ASCII

Changed the margins in cases where the sequence text was "wrapped" down to the next line.

Edited a formal error in the Current Application Data section, specifically:

Edited the Current Application Data section with the actual current number. The number inputted by the applicant was the prior application data; or other _____

Added the mandatory heading and subheadings for "Current Application Data".

Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.

Changed the spelling of a mandatory field (the headings or subheadings), specifically:

Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were:

Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.

Inserted colons after headings/subheadings. Headings edited included: .

Deleted extra, invalid, headings used by an applicant, specifically:

Deleted: non-ASCII "garbage" at the beginning/end of files; secretary initials/filename at end of file; page numbers throughout text; other invalid text, such as _____

Inserted mandatory headings, specifically: _____

Corrected an obvious error in the response, specifically:

Edited identifiers where upper case is used but lower case is required, or vice versa.

Corrected an error in the Number of Sequences field, specifically:

A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.

Deleted ending stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____

Other:

Seq 10 - inserted amino acid nos.

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/788,269

DATE: 08/14/2001
TIME: 15:43:12

Input Set : A:\pto.amc.txt
Output Set: N:\CRF3\08142001\I788269.raw

3 <110> APPLICANT: Jarvik, Jonathan W.
5 <120> TITLE OF INVENTION: Methods and Products for Peptide-Based cDNA
6 Characterization and Analysis
8 <130> FILE REFERENCE: 2087 010261
10 <140> CURRENT APPLICATION NUMBER: US 09/788,269
11 <141> CURRENT FILING DATE: 2001-02-16
13 <150> PRIOR APPLICATION NUMBER: US 60/182,983
14 <151> PRIOR FILING DATE: 2000-02-16
16 <160> NUMBER OF SEQ ID NOS: 17
18 <170> SOFTWARE: Microsoft Word 97 SR-2
20 <210> SEQ ID NO: 1
21 <211> LENGTH: 6
22 <212> TYPE: PRT
23 <213> ORGANISM: Artificial Sequence
25 <220> FEATURE:
26 <223> OTHER INFORMATION: Example of sequence made up entirely of six-codon amino acids
28 <400> SEQUENCE: 1
29 Leu Arg Arg Leu Leu Arg
30 1 5
32 <210> SEQ ID NO: 2
33 <211> LENGTH: 6
34 <212> TYPE: PRT
35 <213> ORGANISM: Artificial Sequence
37 <220> FEATURE:
38 <223> OTHER INFORMATION: Example of sequence made up entirely of one-codon amino acids
40 <400> SEQUENCE: 2
41 Met Trp Trp Met Met Trp
42 1 5
44 <210> SEQ ID NO: 3
45 <211> LENGTH: 100
46 <212> TYPE: DNA
47 <213> ORGANISM: Homo sapiens
49 <400> SEQUENCE: 3
50 gaattcttac acctcatact ttcccaagcc ccaactttct catctgaaaa tggtaatagt 60
52 atcatcctta catgtttaag gtcatgaatt gctatgtgta 100
54 <210> SEQ ID NO: 4
55 <211> LENGTH: 16
56 <212> TYPE: PRT
57 <213> ORGANISM: Homo sapiens
59 <400> SEQUENCE: 4
60 Thr Met Ile Thr Pro Ser Leu His Ala Cys Arg Ser Thr Leu Glu Asp
61 1 5 10 15
63 <210> SEQ ID NO: 5
64 <211> LENGTH: 100
65 <212> TYPE: DNA
66 <213> ORGANISM: Homo sapiens
68 <400> SEQUENCE: 5

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/788,269

DATE: 08/14/2001
TIME: 15:43:12

Input Set : A:\pto.amc.txt
Output Set: N:\CRF3\08142001\I788269.raw

69 gaattcacat aaatcgcaaa ttttttttc cttccagag ccatccaaaa ctctgttgt 60
71 caaaggcctg tctgaggata ccactgaaga gacattaaag 100
73 <210> SEQ ID NO: 6
74 <211> LENGTH: 99
75 <212> TYPE: DNA
76 <213> ORGANISM: Homo sapiens
78 <400> SEQUENCE: 6
79 gaattcttctt gggtttgtg gtgtgctaga ctttaattacc catgaatgat tttgtcctct 60
81 tgagaaaatt tcaatagcac atcttattgt gttttttat 99
83 <210> SEQ ID NO: 7
84 <211> LENGTH: 27
85 <212> TYPE: DNA
86 <213> ORGANISM: Artificial Sequence
88 <220> FEATURE:
89 <221> NAME/KEY: SITE
90 <222> LOCATION: (4)..(9)
91 <223> OTHER INFORMATION: Oligonucleotide primer containing EcoRI site
93 <400> SEQUENCE: 7
94 cccgaattca gcaggtaaaa atcaagg 27
96 <210> SEQ ID NO: 8
97 <211> LENGTH: 29
98 <212> TYPE: DNA
99 <213> ORGANISM: Artificial Sequence
101 <220> FEATURE:
102 <221> NAME/KEY: SITE
103 <222> LOCATION: (4)..(9)
104 <223> OTHER INFORMATION: Oligonucleotide primer containing EcoRI site
106 <400> SEQUENCE: 8
107 ggggaattct tactttctc cactgctat 29
109 <210> SEQ ID NO: 9
110 <211> LENGTH: 24
111 <212> TYPE: DNA
112 <213> ORGANISM: Artificial Sequence
114 <220> FEATURE:
115 <223> OTHER INFORMATION: Nucleotide input sequence used to demonstrate computer
program
116 capabilities
118 <400> SEQUENCE: 9
119 caactagaag aggtaaagaa ctat 24
121 <210> SEQ ID NO: 10
122 <211> LENGTH: 8
123 <212> TYPE: PRT
124 <213> ORGANISM: Artificial Sequence
126 <220> FEATURE:
127 <223> OTHER INFORMATION: Computer program output of encoded peptides
129 <400> SEQUENCE: 10
130 Gln Leu Glu Glu Val Arg Asn Tyr
131 1 5
133 <210> SEQ ID NO: 11
134 <211> LENGTH: 326

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/788,269

DATE: 08/14/2001
TIME: 15:43:12

Input Set : A:\pto.amc.txt
Output Set: N:\CRF3\08142001\I788269.raw

135 <212> TYPE: DNA
136 <213> ORGANISM: Homo sapiens
138 <220> FEATURE:
139 <221> NAME/KEY: exon
140 <222> LOCATION: (37).. (283)
142 <400> SEQUENCE: 11
143 gggaaagccca tctccagctg tctgtttccc tttaagtcga atcaagagca acgtggatgg 60
144 gccgtacctg gtggacggcg tcccttttag ctgctgcaat cctagctcgc cacggccctg 120
145 catccagtagt cagatcacca acaactcagc acactacagt tacgaccacc agacggagga 180
146 gctcaaacctg tgggtgcgtg gctgcaggcc tgccctgctg agctactaca gcagcctcat 240
147 gaactccatg ggtgtcgtca cgctcctcat ttggctcttc gaggtaggcc ctgggcagct 300
148 gggggtagag ggttaaggaga gcctcc 326
150 <210> SEQ ID NO: 12
151 <211> LENGTH: 36
152 <212> TYPE: DNA
153 <213> ORGANISM: Artificial sequence
155 <220> FEATURE:
156 <223> OTHER INFORMATION: Primer synthesized and used to PCR amplify rds/peripherin
exon 2
157 from an individual known to carry a wild type allele of
158 rds/peripherin.
160 <400> SEQUENCE: 12
161 gccccggaaat tctccagctg tctgtttccc tttaag 36
163 <210> SEQ ID NO: 13
164 <211> LENGTH: 37
165 <212> TYPE: DNA
166 <213> ORGANISM: Artificial sequence
168 <220> FEATURE:
169 <223> OTHER INFORMATION: Primer synthesized and used to PCR amplify rds/peripherin
exon 2
170 from an individual known to carry a wild type allele of
171 rds/peripherin.
173 <400> SEQUENCE: 13
174 aatttactcg agtacccccc agctgcccag ggcctac 37
176 <210> SEQ ID NO: 14
177 <211> LENGTH: 364
178 <212> TYPE: PRT
179 <213> ORGANISM: Artificial sequence
181 <220> FEATURE:
182 <223> OTHER INFORMATION: Fusion protein
184 <400> SEQUENCE: 14
185 Met Ser Pro Ile Leu Gly Tyr Trp Lys Ile Lys Gly Leu Val Gln Pro
186 1 5 10 15
187 Thr Arg Leu Leu Leu Glu Tyr Leu Glu Glu Lys Tyr Glu Glu His Leu
188 20 25 30
189 Tyr Glu Arg Asp Glu Gly Asp Lys Trp Arg Asn Lys Lys Phe Glu Leu
190 35 40 45
191 Gly Leu Glu Phe Pro Asn Leu Pro Tyr Tyr Ile Asp Gly Asp Val Lys
192 50 55 60
193 Leu Thr Gln Ser Met Ala Ile Ile Arg Tyr Ile Ala Asp Lys His Asn
194 65 70 75 80

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/788,269

DATE: 08/14/2001
TIME: 15:43:12

Input Set : A:\pto.amc.txt
Output Set: N:\CRF3\08142001\I788269.raw

195 Met Leu Gly Gly Cys Pro Lys Glu Arg Ala Glu Ile Ser Met Leu Glu
196 85 90 95
197 Gly Ala Val Leu Asp Ile Arg Tyr Gly Val Ser Arg Ile Ala Tyr Ser
198 100 105 110
199 Lys Asp Phe Glu Thr Leu Lys Val Asp Phe Leu Ser Lys Leu Pro Glu
200 115 120 125
201 Met Leu Lys Met Phe Glu Asp Arg Leu Cys His Lys Thr Tyr Leu Asn
202 130 135 140
203 Gly Asp His Val Thr His Pro Asp Phe Met Leu Tyr Asp Ala Leu Asp
204 145 150 155 160
205 Val Val Leu Tyr Met Asp Pro Met Cys Leu Asp Ala Phe Pro Lys Leu
206 165 170 175
207 Val Cys Phe Lys Lys Arg Ile Glu Ala Ile Pro Gln Ile Asp Lys Tyr
208 180 185 190
209 Leu Lys Ser Ser Lys Tyr Ile Ala Trp Pro Leu Gln Gly Trp Gln Ala
210 195 200 205
211 Thr Phe Gly Gly Asp His Pro Pro Lys Ser Asp Leu Ile Glu Gly
212 210 215 220
213 Arg Gly Ile Gln Asp Leu Val Pro His Thr Thr Pro His His Thr Thr
214 225 230 235 240
215 Pro His His Thr Pro His His Thr Thr Pro Gln Asp Leu Asn Ser
216 245 250 255
217 Pro Ala Val Cys Phe Pro Leu Ser Arg Ile Lys Ser Asn Val Asp Gly
218 260 265 270
219 Arg Tyr Leu Val Asp Gly Val Pro Phe Ser Cys Cys Asn Pro Ser Ser
220 275 280 285
221 Pro Arg Pro Cys Ile Gln Tyr Gln Ile Thr Asn Asn Ser Ala His Tyr
222 290 295 300
223 Ser Tyr Asp His Gln Thr Glu Glu Leu Asn Leu Trp Val Arg Gly Cys
224 305 310 315 320
225 Arg Ala Ala Leu Leu Ser Tyr Tyr Ser Ser Leu Met Asn Ser Met Gly
226 325 330 335
227 Val Val Thr Leu Leu Ile Trp Leu Phe Glu Val Gly Pro Gly Gln Leu
228 340 345 350
229 Gly Val Ala Arg Ser Ser Gly Arg Ile Val Thr Asp
230 355 360
232 <210> SEQ ID NO: 15
233 <211> LENGTH: 87
234 <212> TYPE: DNA
235 <213> ORGANISM: Artificial sequence
237 <220> FEATURE:
238 <221> NAME/KEY: misc_feature
239 <222> LOCATION: (35)..(37)
240 <223> OTHER INFORMATION: Upstream primer used to reamplify amplicons
241 Start codon at 35-37
243 <400> SEQUENCE: 15
244 ggatcctaat acgactcaat atagggagac caccatgcatt caccatcatc accatcacca 60
245 ctctccagct gtctgttcc cttaag 87
247 <210> SEQ ID NO: 16

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/788,269

DATE: 08/14/2001
TIME: 15:43:12

Input Set : A:\pto.amc.txt
Output Set: N:\CRF3\08142001\I788269.raw

248 <211> LENGTH: 35
249 <212> TYPE: DNA
250 <213> ORGANISM: Artificial sequence
252 <220> FEATURE:
253 <223> OTHER INFORMATION: Downstream primer used to reamplify amplicons
255 <400> SEQUENCE: 16
256 cttagtcatt ataccccccag ctgcccccagg cctac 35
258 <210> SEQ ID NO: 17
259 <211> LENGTH: 28
260 <212> TYPE: DNA
261 <213> ORGANISM: Artificial sequence
263 <220> FEATURE:
264 <223> OTHER INFORMATION: Ending of hemoglobin alpha 2 transcript
266 <400> SEQUENCE: 17
267 gcggcaaaaa aaaaaaaaaaaa aaaaaaaaaa 28

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/788,269

DATE: 08/14/2001
TIME: 15:43:13

Input Set : A:\pto.amc.txt
Output Set: N:\CRF3\08142001\I788269.raw

OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/788,269

DATE: 07/18/2001
TIME: 10:22:02

Input Set : A:\010261.txt
Output Set: N:\CRF3\07182001\I788269.raw

Does Not Comply
Corrected Diskette Needed

3 <110> APPLICANT: Jarvik, Jonathan W.
5 <120> TITLE OF INVENTION: Methods and Products for Peptide-Based cDNA
6 Characterization and Analysis
8 <130> FILE REFERENCE: 2087 010261
10 <140> CURRENT APPLICATION NUMBER: US 09/788,269
11 <141> CURRENT FILING DATE: 2001-02-16
13 <150> PRIOR APPLICATION NUMBER: US 60/182,983
14 <151> PRIOR FILING DATE: 2000-02-16
16 <160> NUMBER OF SEQ ID NOS: 17
18 <170> SOFTWARE: Microsoft Word 97 SR-2
20 <210> SEQ ID NO: 1
21 <211> LENGTH: 6
22 <212> TYPE: PRT
23 <213> ORGANISM: Artificial Sequence
25 <220> FEATURE:
26 <223> OTHER INFORMATION: Example of sequence made up entirely of six-codon amino acids
28 <400> SEQUENCE: 1
29 Leu Arg Arg Leu Leu Arg
30 1 5
32 <210> SEQ ID NO: 2
33 <211> LENGTH: 6
34 <212> TYPE: PRT
35 <213> ORGANISM: Artificial Sequence
37 <220> FEATURE:
38 <223> OTHER INFORMATION: Example of sequence made up entirely of one-codon amino acids
40 <400> SEQUENCE: 2
41 Met Trp Trp Met Met Trp
42 1 5
44 <210> SEQ ID NO: 3
45 <211> LENGTH: 100
46 <212> TYPE: DNA
47 <213> ORGANISM: Homo sapiens
49 <400> SEQUENCE: 3
50 gaattcttac acctcatact ttcccaagcc ccaactttct catctgaaaa tggttaatagt 60
52 atcatcctta catgtttaag gtcatgaatt gctatgtgta 100
54 <210> SEQ ID NO: 4
55 <211> LENGTH: 16
56 <212> TYPE: PRT
57 <213> ORGANISM: Homo sapiens
59 <400> SEQUENCE: 4
60 Thr Met Ile Thr Pro Ser Leu His Ala Cys Arg Ser Thr Leu Glu Asp
61 1 5 10 15
63 <210> SEQ ID NO: 5
64 <211> LENGTH: 100
65 <212> TYPE: DNA
66 <213> ORGANISM: Homo sapiens
68 <400> SEQUENCE: 5

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/788,269

DATE: 07/18/2001

TIME: 10:22:02

Input Set : A:\010261.txt
Output Set: N:\CRF3\07182001\I788269.raw

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69 gaatttcacat aaatcgcaaa ttttttttc cttcccagag ccatccaaaa ctctgttgt 60
71 ccaaaggcctg tctgaggata ccactgaaga gacattaaag 100
73 <210> SEQ ID NO: 6
74 <211> LENGTH: 99
75 <212> TYPE: DNA
76 <213> ORGANISM: Homo sapiens
78 <400> SEQUENCE: 6
79 gaattcttctt gggttttgtg gtgtgctaga cttattacc catgaatgtat tttgtcctct 60
81 tgagaaaatt tcaatagcac atctattagt gttttttat 99
83 <210> SEQ ID NO: 7
84 <211> LENGTH: 27
85 <212> TYPE: DNA
86 <213> ORGANISM: Artificial Sequence
88 <220> FEATURE:
89 <221> NAME/KEY: SITE
90 <222> LOCATION: (4)..(9)
91 <223> OTHER INFORMATION: Oligonucleotide primer containing EcoRI site
93 <400> SEQUENCE: 7
94 cccgaattca gcaggtaaaa atcaagg 27
96 <210> SEQ ID NO: 8
97 <211> LENGTH: 29
98 <212> TYPE: DNA
99 <213> ORGANISM: Artificial Sequence
101 <220> FEATURE:
102 <221> NAME/KEY: SITE
103 <222> LOCATION: (4)..(9)
104 <223> OTHER INFORMATION: Oligonucleotide primer containing EcoRI site
106 <400> SEQUENCE: 8
107 ggggaattct tactcttctc cactgctat 29
109 <210> SEQ ID NO: 9
110 <211> LENGTH: 24
111 <212> TYPE: DNA
112 <213> ORGANISM: Artificial Sequence
114 <220> FEATURE:
115 <223> OTHER INFORMATION: Nucleotide input sequence used to demonstrate computer
program
116 capabilities
118 <400> SEQUENCE: 9
119 caacttagaag aggtaagaaaa ctat 24
121 <210> SEQ ID NO: 10
122 <211> LENGTH: 8
123 <212> TYPE: PRT
124 <213> ORGANISM: Artificial Sequence
126 <220> FEATURE:
127 <223> OTHER INFORMATION: Computer program output of encoded peptides
129 <400> SEQUENCE: 10
130 Gln Leu Glu Glu Val Arg Asn Tyr
132 <210> SEQ ID NO: 11 → number the amino acids
133 <211> LENGTH: 326
134 <212> TYPE: DNA

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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/788,269

DATE: 07/18/2001
TIME: 10:22:02

Input Set : A:\010261.txt
Output Set: N:\CRF3\07182001\I788269.raw

135 <213> ORGANISM: Homo sapiens
 137 <220> FEATURE:
 138 <221> NAME/KEY: exon
 139 <222> LOCATION: (37).. (283)
 141 <400> SEQUENCE: 11
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 143 gcggtacctg gtggacggcg tccctttcag ctgctcaat cctagctcgc cacggccctg 120
 144 catccagttt cagatcacca acaactcagc acactacagt tacgaccacc agacggagga 180
 145 gctcaacctg tgggtgcgtg gctgcagggc tgccctgctg agctactaca gcagcctcat 240
 146 gaactccatg ggtgtcgtca cgctcctcat ttggcttcc gaggtaggcc ctgggcagct 300
 147 ggggttagag ggtaaggaga gcctcc 326
 149 <210> SEQ ID NO: 12
 150 <211> LENGTH: 36
 151 <212> TYPE: DNA
 152 <213> ORGANISM: Artificial sequence
 154 <220> FEATURE:
 155 <223> OTHER INFORMATION: Primer synthesized and used to PCR amplify rds/peripherin
 exon 2
 156 from an individual known to carry a wild type allele of
 157 rds/peripherin.
 159 <400> SEQUENCE: 12
 160 ggcccggaat tctccagctg tctgtttccc tttaag 36
 162 <210> SEQ ID NO: 13
 163 <211> LENGTH: 37
 164 <212> TYPE: DNA
 165 <213> ORGANISM: Artificial sequence
 167 <220> FEATURE:
 168 <223> OTHER INFORMATION: Primer synthesized and used to PCR amplify rds/peripherin
 exon 2
 169 from an individual known to carry a wild type allele of
 170 rds/peripherin.
 172 <400> SEQUENCE: 13
 173 aatttactcg agctacccccc agctgcccag ggcctac 37
 175 <210> SEQ ID NO: 14
 176 <211> LENGTH: 364
 177 <212> TYPE: PRT
 178 <213> ORGANISM: Artificial sequence
 180 <220> FEATURE:
 181 <223> OTHER INFORMATION: Fusion protein
 183 <400> SEQUENCE: 14
 184 Met Ser Pro Ile Leu Gly Tyr Trp Lys Ile Lys Gly Leu Val Gln Pro
 185 1 5 10 15
 186 Thr Arg Leu Leu Leu Glu Tyr Leu Glu Glu Lys Tyr Glu Glu His Leu
 187 20 25 30
 188 Tyr Glu Arg Asp Glu Gly Asp Lys Trp Arg Asn Lys Lys Phe Glu Leu
 189 35 40 45
 190 Gly Leu Glu Phe Pro Asn Leu Pro Tyr Tyr Ile Asp Gly Asp Val Lys
 191 50 55 60
 192 Leu Thr Gln Ser Met Ala Ile Ile Arg Tyr Ile Ala Asp Lys His Asn
 193 65 70 75 80
 194 Met Leu Gly Gly Cys Pro Lys Glu Arg Ala Glu Ile Ser Met Leu Glu

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/788,269

DATE: 07/18/2001
TIME: 10:22:03

Input Set : A:\010261.txt
Output Set: N:\CRF3\07182001\I788269.raw

195 85 90 95
 196 Gly Ala Val Leu Asp Ile Arg Tyr Gly Val Ser Arg Ile Ala Tyr Ser
 197 100 105 110
 198 Lys Asp Phe Glu Thr Leu Lys Val Asp Phe Leu Ser Lys Leu Pro Glu
 199 115 120 125
 200 Met Leu Lys Met Phe Glu Asp Arg Leu Cys His Lys Thr Tyr Leu Asn
 201 130 135 140
 202 Gly Asp His Val Thr His Pro Asp Phe Met Leu Tyr Asp Ala Leu Asp
 203 145 150 155 160
 204 Val Val Leu Tyr Met Asp Pro Met Cys Leu Asp Ala Phe Pro Lys Leu
 205 165 170 175
 206 Val Cys Phe Lys Lys Arg Ile Glu Ala Ile Pro Gln Ile Asp Lys Tyr
 207 180 185 190
 208 Leu Lys Ser Ser Lys Tyr Ile Ala Trp Pro Leu Gln Gly Trp Gln Ala
 209 195 200 205
 210 Thr Phe Gly Gly Asp His Pro Pro Lys Ser Asp Leu Ile Glu Gly
 211 210 215 220
 212 Arg Gly Ile Gln Asp Leu Val Pro His Thr Thr Pro His His Thr Thr
 213 225 230 235 240
 214 Pro His His Thr Thr Pro His His Thr Thr Pro Gln Asp Leu Asn Ser
 215 245 250 255
 216 Pro Ala Val Cys Phe Pro Leu Ser Arg Ile Lys Ser Asn Val Asp Gly
 217 260 265 270
 218 Arg Tyr Leu Val Asp Gly Val Pro Phe Ser Cys Cys Asn Pro Ser Ser
 219 275 280 285
 220 Pro Arg Pro Cys Ile Gln Tyr Gln Ile Thr Asn Asn Ser Ala His Tyr
 221 290 295 300
 222 Ser Tyr Asp His Gln Thr Glu Glu Leu Asn Leu Trp Val Arg Gly Cys
 223 305 310 315 320
 224 Arg Ala Ala Leu Leu Ser Tyr Tyr Ser Ser Leu Met Asn Ser Met Gly
 225 325 330 335
 226 Val Val Thr Leu Leu Ile Trp Leu Phe Glu Val Gly Pro Gly Gln Leu
 227 340 345 350
 228 Gly Val Ala Arg Ser Ser Gly Arg Ile Val Thr Asp
 229 355 360
 231 <210> SEQ ID NO: 15
 232 <211> LENGTH: 87
 233 <212> TYPE: DNA
 234 <213> ORGANISM: Artificial sequence
 236 <220> FEATURE:
 237 <221> NAME/KEY: misc_feature
 238 <222> LOCATION: (35)..(37)
 239 <223> OTHER INFORMATION: Upstream primer used to reamplify amplicons
 240 Start codon at 35-37
 242 <400> SEQUENCE: 15
 243 ggatcctaat acgactcaat ataggagac caccatgcac caccatcatc accatcacca 60
 244 ctctccagct gtctgttcc ctttaag 87
 246 <210> SEQ ID NO: 16
 247 <211> LENGTH: 35

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/788,269

DATE: 07/18/2001
TIME: 10:22:03

Input Set : A:\010261.txt
Output Set: N:\CRF3\07182001\I788269.raw

248 <212> TYPE: DNA
249 <213> ORGANISM: Artificial sequence
251 <220> FEATURE:
252 <223> OTHER INFORMATION: Downstream primer used to reamplify amplicons
254 <400> SEQUENCE: 16
255 cttagtcatt ataccccccag ctgcccccagg cctac 35
257 <210> SEQ ID NO: 17
258 <211> LENGTH: 28
259 <212> TYPE: DNA
260 <213> ORGANISM: Artificial sequence
262 <220> FEATURE:
263 <223> OTHER INFORMATION: Ending of hemoglobin alpha 2 transcript
265 <400> SEQUENCE: 17
266 gcggcaaaaa aaaaaaaaaa aaaaaaaaaa 28

VERIFICATION SUMMARY

PATENT APPLICATION: **US/09/788,269**

DATE: 07/18/2001

TIME: 10:22:04

Input Set : **A:\010261.txt**

Output Set: **N:\CRF3\07182001\I788269.raw**

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